					mm		
E =	15	R,seal=	1.8	long axis (105 + 15) * 2 =	240	9.4488	inches
R =	105	R,gen.=	103.2	short axis (105 - 15) * 2 =	180	7.0866	inches

exhaust open "EO"			intake close "IC"	exhaust close "EC"			intake open "IO"
BBDC°	mm	inches	**ABDC°**	**ATDC°**	mm	inches	**BTDC°**
-40	59.92	**2.359**	40	110	26.75	**1.053**	-110
-42	61.16	**2.408**	42	108	27.69	**1.090**	-108
-44	62.40	**2.457**	44	106	28.65	**1.128**	-106
-46	63.65	**2.506**	46	104	29.61	**1.166**	-104
-48	64.90	**2.555**	48	102	30.59	**1.204**	-102
-50	66.15	**2.604**	50	100	31.59	**1.244**	-100
-52	67.40	**2.654**	52	98	32.59	**1.283**	-98
-54	68.65	**2.703**	54	96	33.61	**1.323**	-96
-56	69.90	**2.752**	56	94	34.64	**1.364**	-94
-57	70.53	**2.777**	57	93	35.16	**1.384**	-93
-58	71.16	**2.802**	58	92	35.68	**1.405**	-92
-59	71.78	**2.826**	59	91	36.20	**1.425**	-91
-60	72.41	**2.851**	60	90	36.73	**1.446**	-90
-61	73.03	**2.875**	61	89	37.26	**1.467**	-89
-62	73.66	**2.900**	62	88	37.80	**1.488**	-88
-63	74.28	**2.924**	63	87	38.33	**1.509**	-87
-64	74.91	**2.949**	64	86	38.87	**1.530**	-86
-65	75.53	**2.974**	65	85	39.42	**1.552**	-85
-66	76.15	**2.998**	66	84	39.96	**1.573**	-84
-67	76.77	**3.022**	67	83	40.51	**1.595**	-83
-68	77.39	**3.047**	68	82	41.06	**1.617**	-82
-69	78.01	**3.071**	69	81	41.62	**1.639**	-81
-70	78.63	**3.096**	70	80	42.17	**1.660**	-80
-71	79.24	**3.120**	71	79	42.73	**1.682**	-79
-72	79.86	**3.144**	72	78	43.29	**1.704**	-78
-73	80.47	**3.168**	73	77	43.86	**1.727**	-77
-74	81.09	**3.193**	74	76	44.43	**1.749**	-76
-75	81.70	**3.217**	75	75	44.99	**1.771**	-75
-76	82.31	**3.241**	76	74	45.57	**1.794**	-74
-78	83.52	**3.288**	78	72	46.72	**1.839**	-72
-80	84.72	**3.335**	80	70	47.88	**1.885**	-70
-82	85.92	**3.383**	82	68	49.05	**1.931**	-68
-84	87.10	**3.429**	84	66	50.23	**1.978**	-66
-86	88.28	**3.476**	86	64	51.42	**2.024**	-64
-88	89.44	**3.521**	88	62	52.61	**2.071**	-62
-90	90.60	**3.567**	90	60	53.81	**2.119**	-60
-92	91.74	**3.612**	92	58	55.02	**2.166**	-58
-94	92.86	**3.656**	94	56	56.24	**2.214**	-56
-96	93.98	**3.700**	96	54	57.46	**2.262**	-54
-98	95.08	**3.743**	98	52	58.69	**2.311**	-52
-100	96.16	**3.786**	100	50	59.92	**2.359**	-50
-102	97.23	**3.828**	102	48	61.16	**2.408**	-48